

BEST AVAILABLE COPY

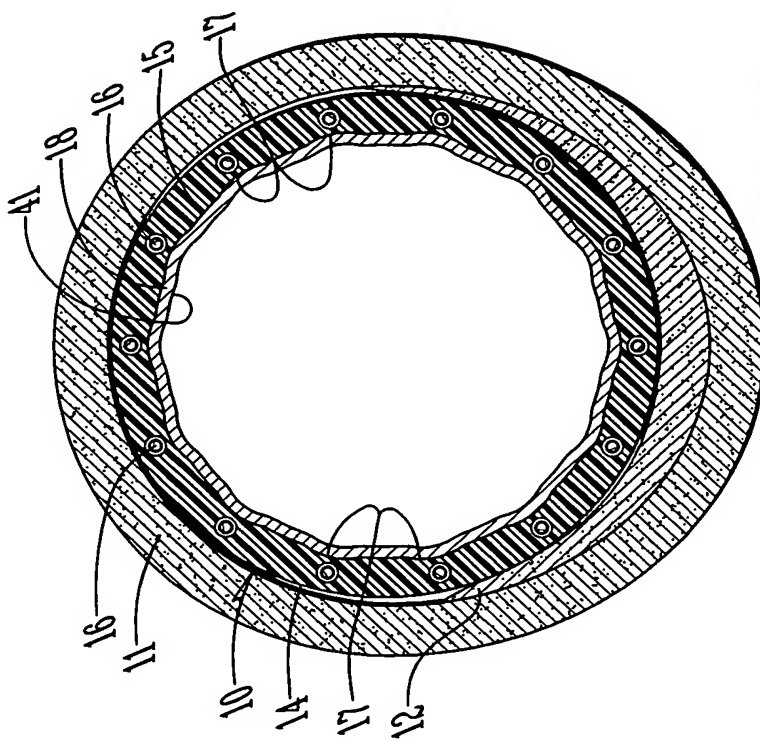


FIG. 4

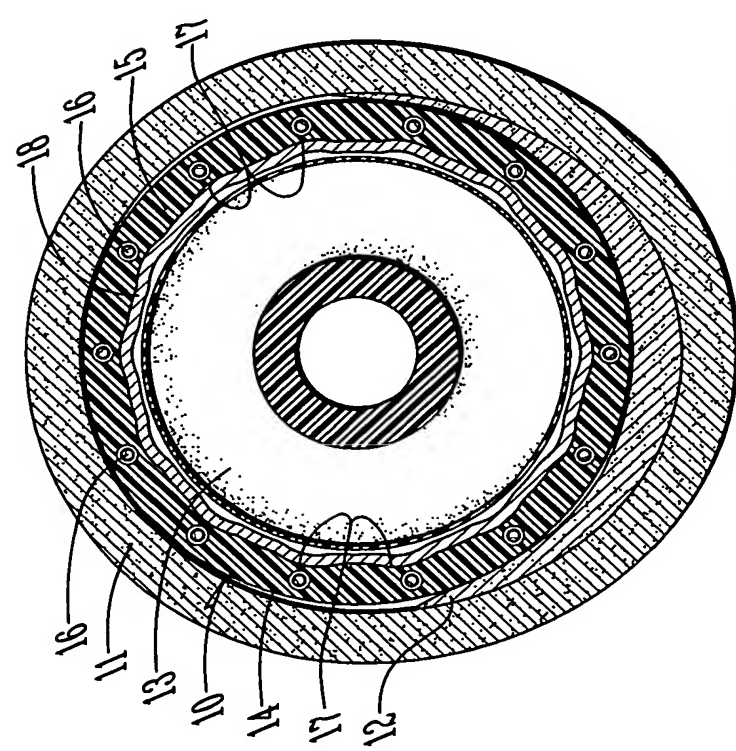
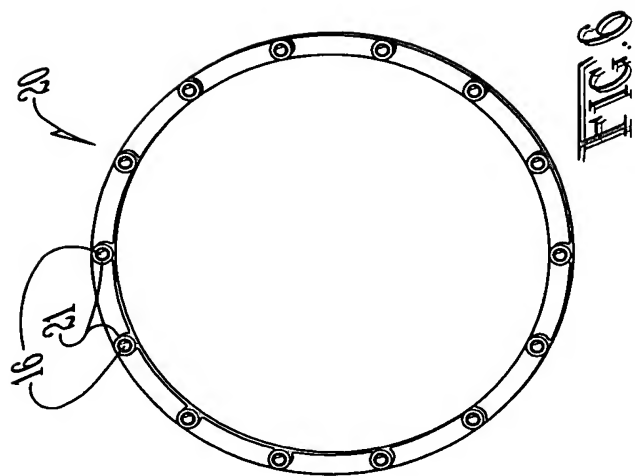
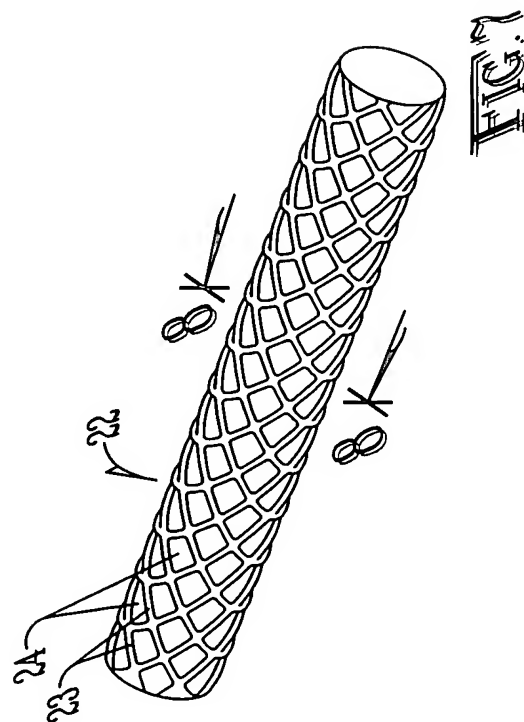
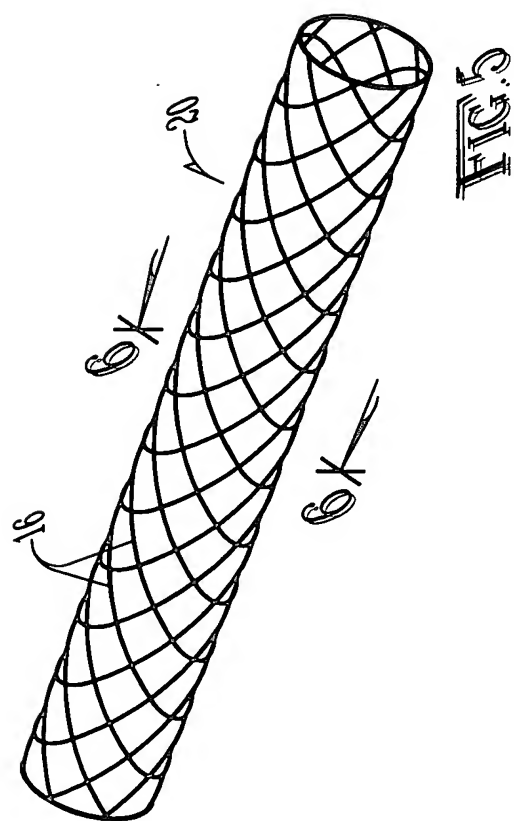
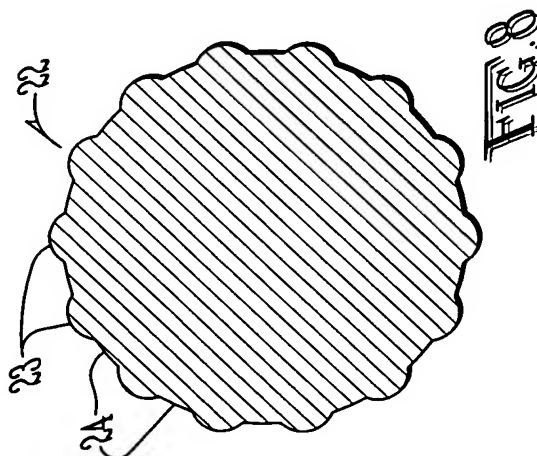
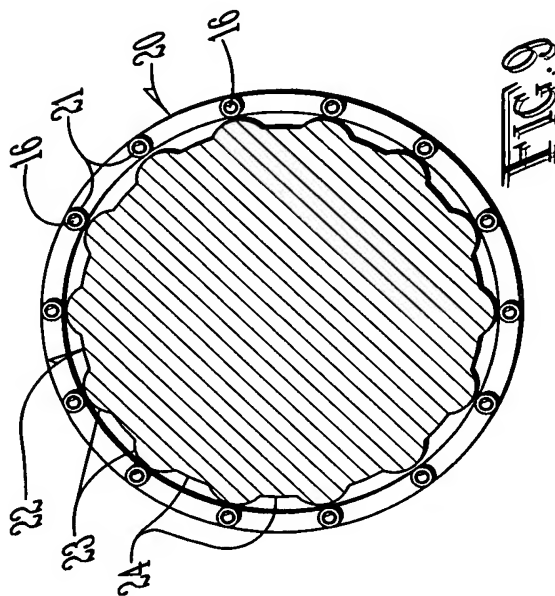


FIG. 3



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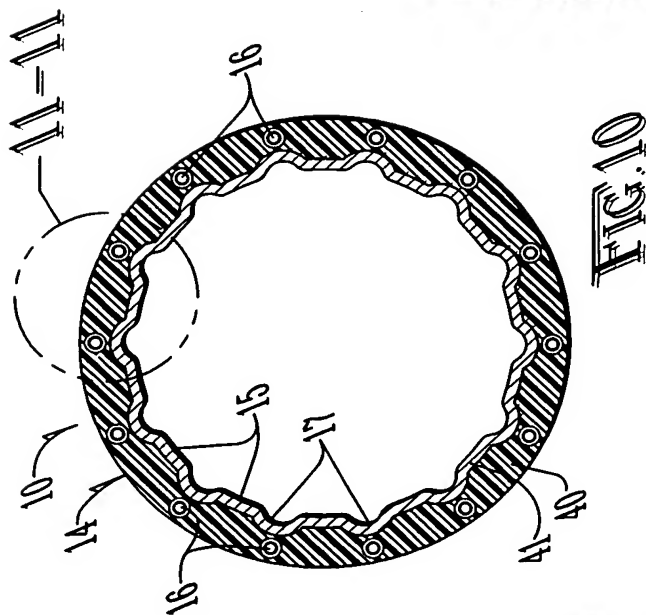


FIG. 10

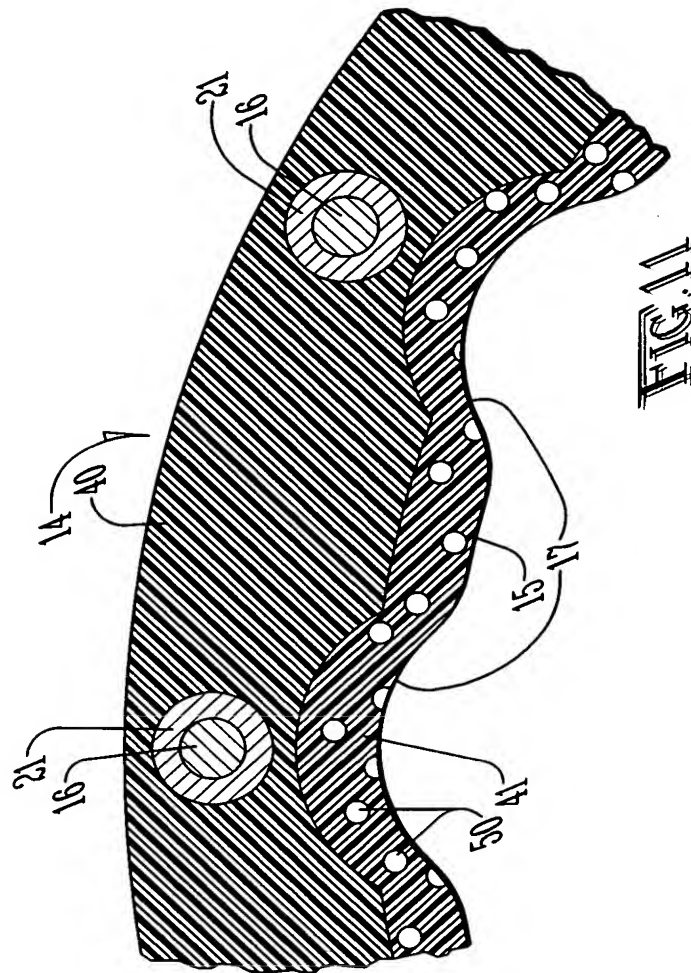
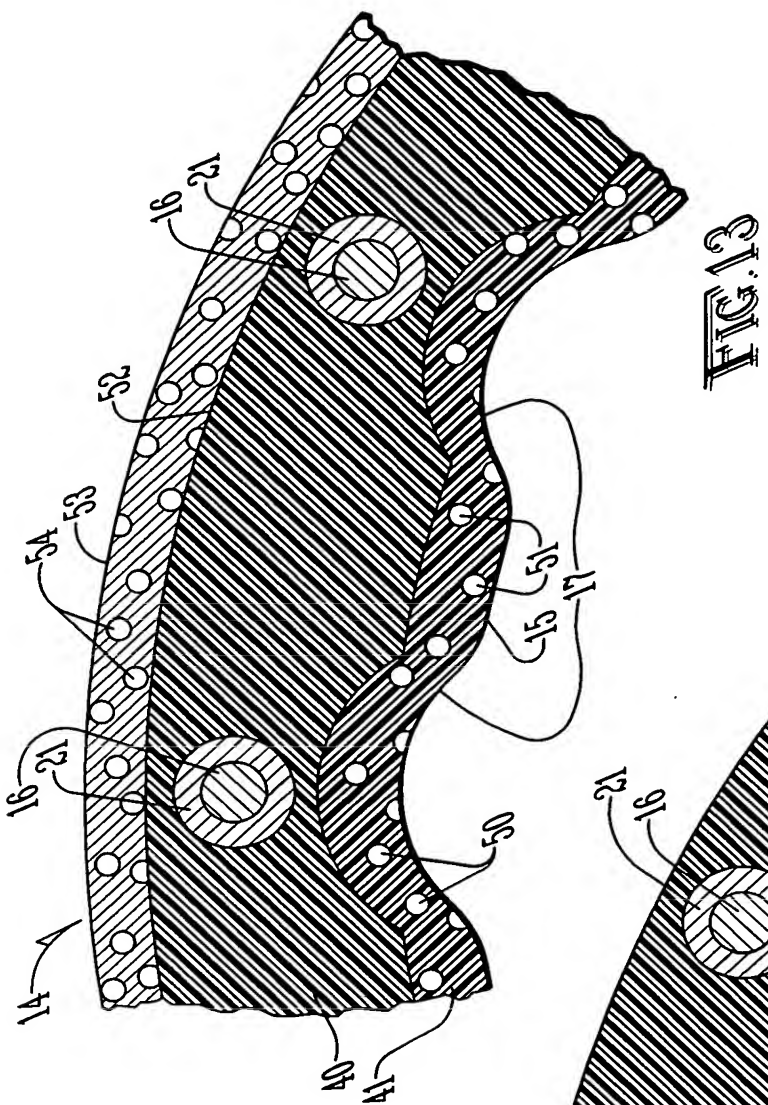


FIG. 11

12



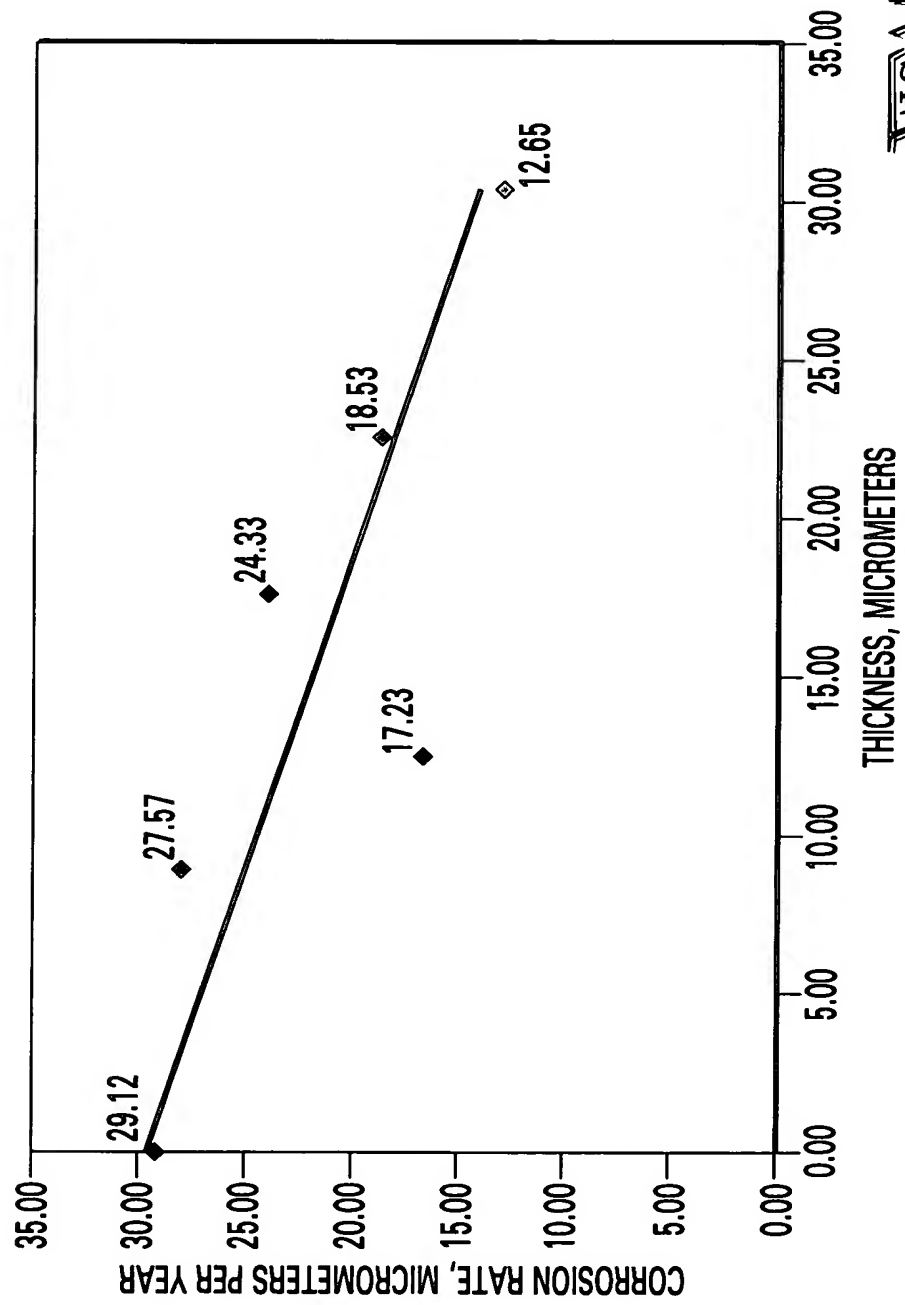


FIG. 14

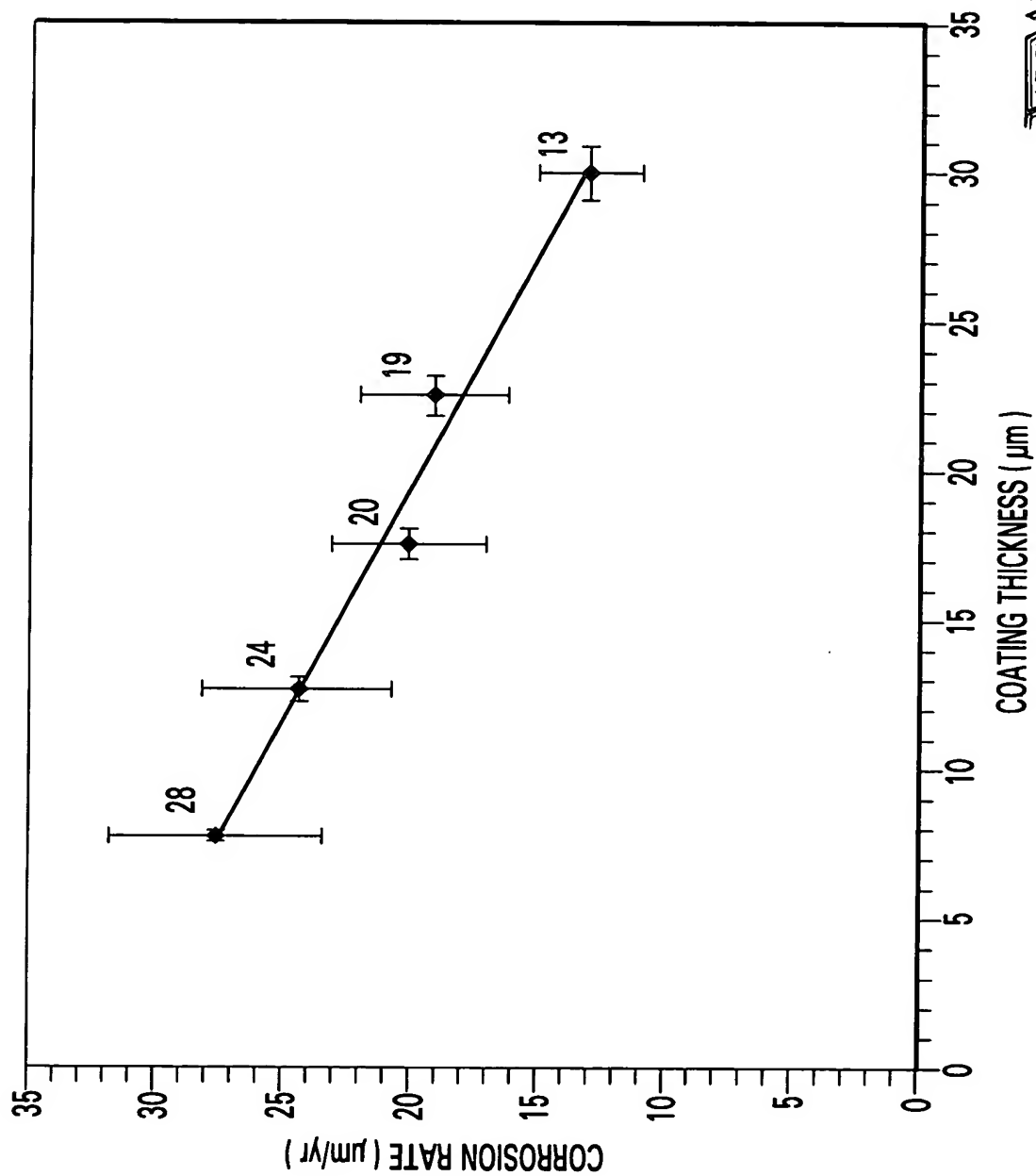


FIG. 15A

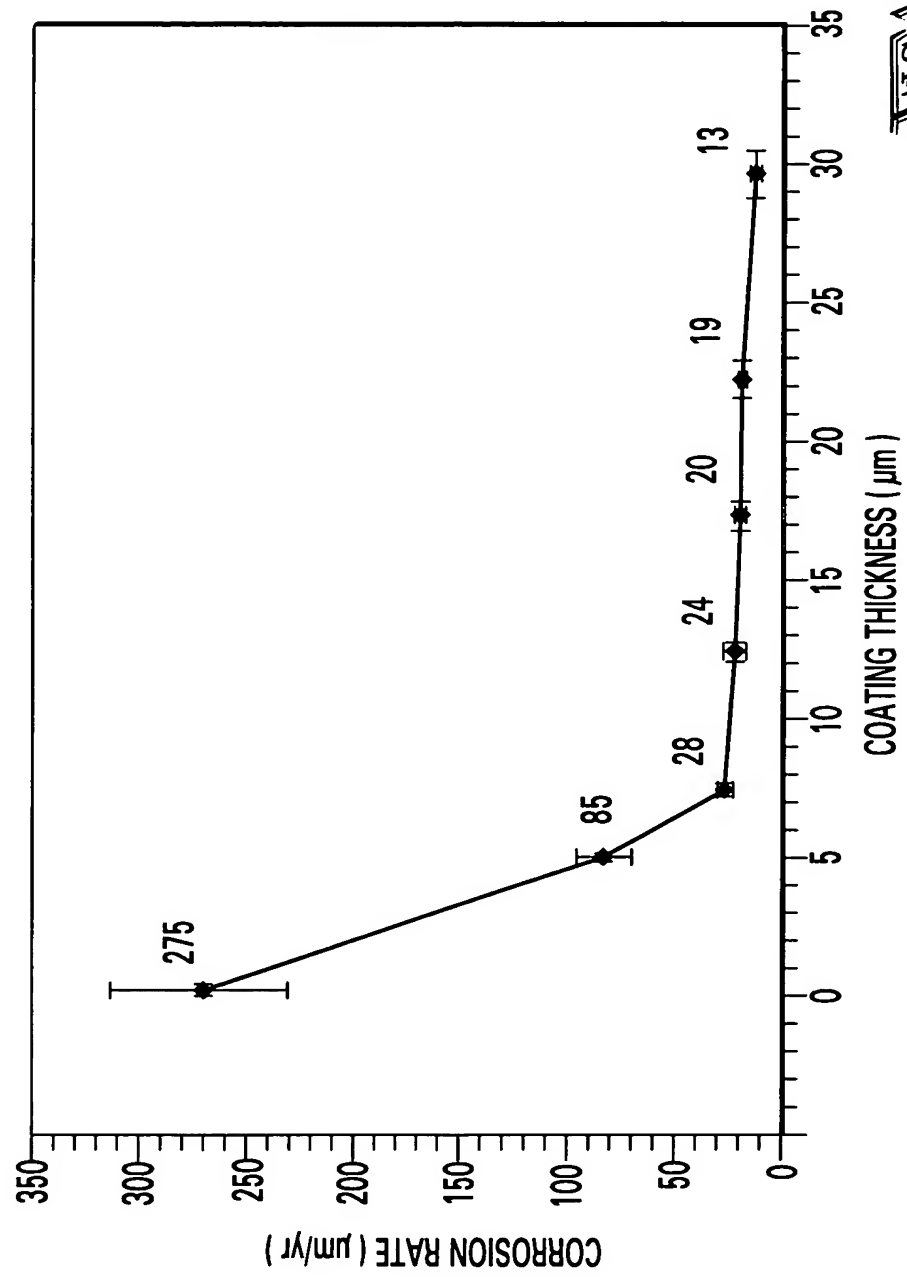


FIG. 15B

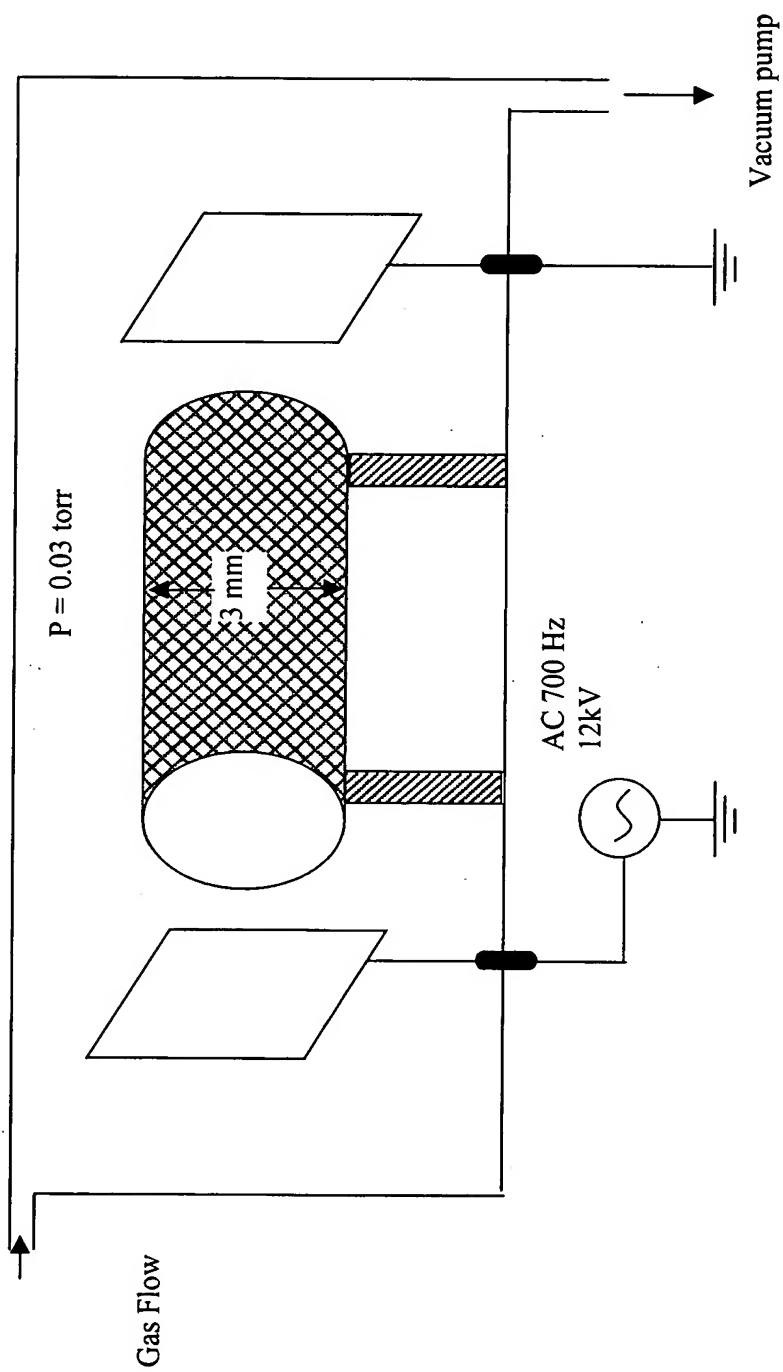


Fig. 16 A. Low-pressure plasma reactor for surface modification of stent metal mesh

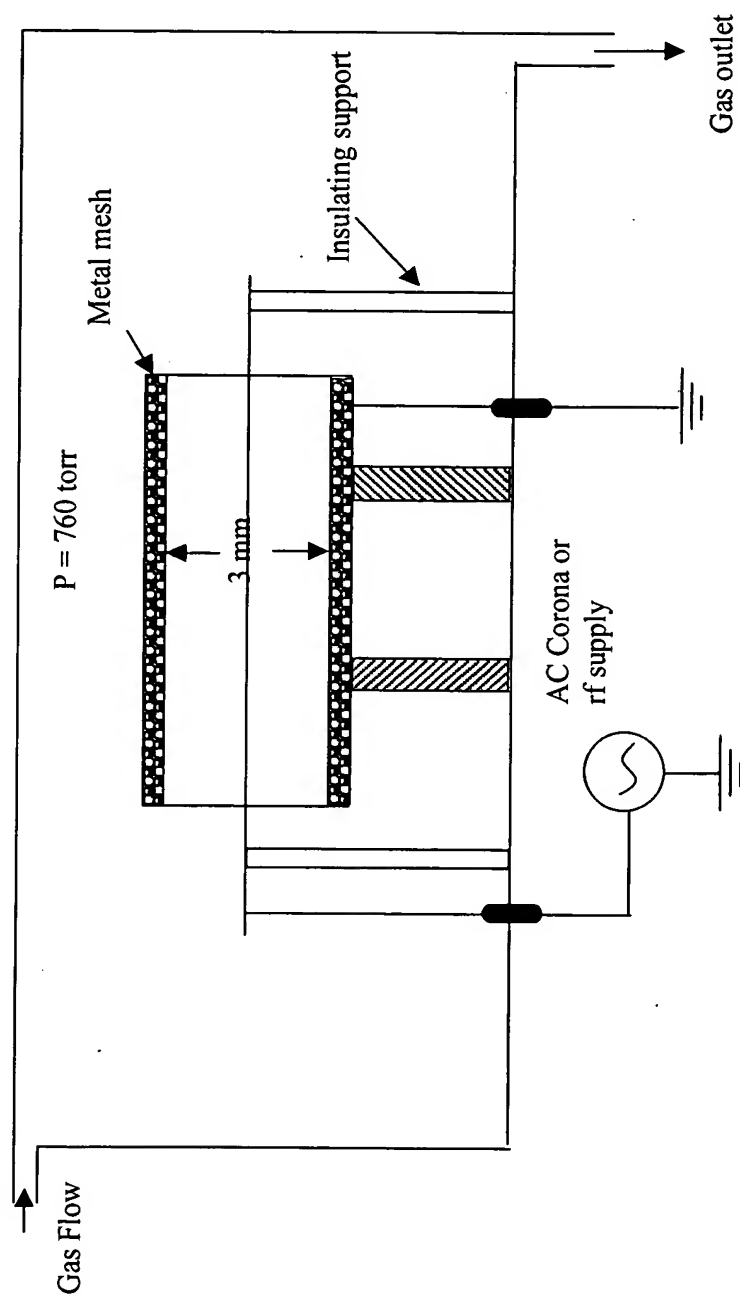


Fig. 16 B. Atmospheric pressure plasma reactor for surface modification of inner lining of polyurethane encased stent

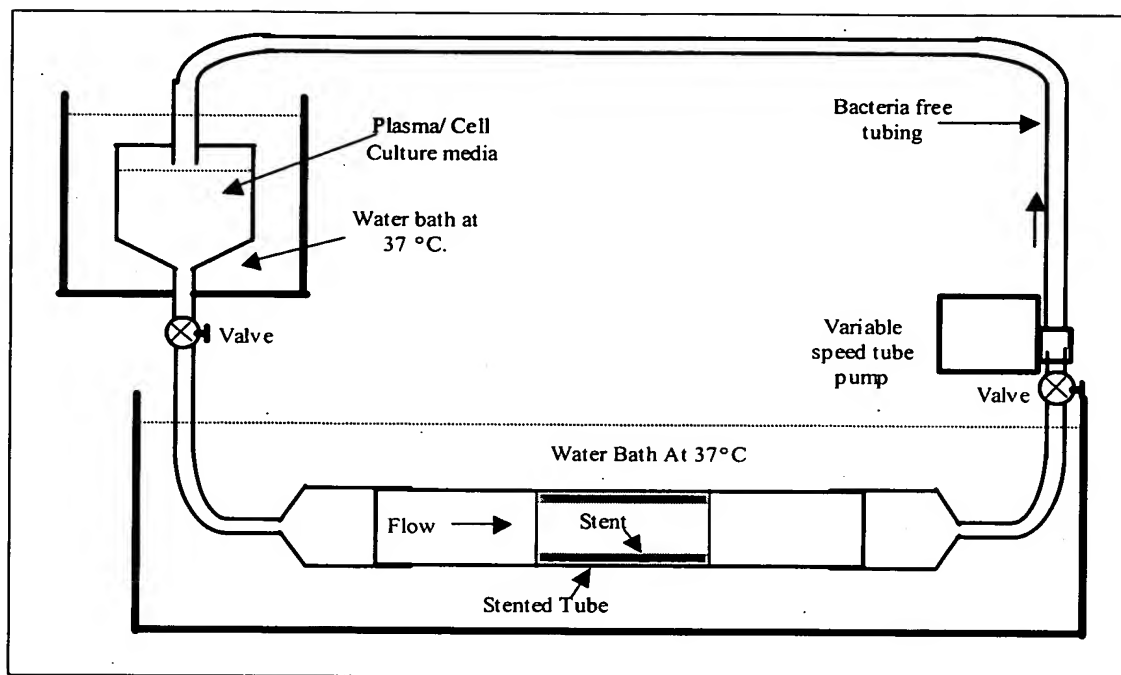


Figure 17: Flow Cell for Endothelial Cell Growth Studies

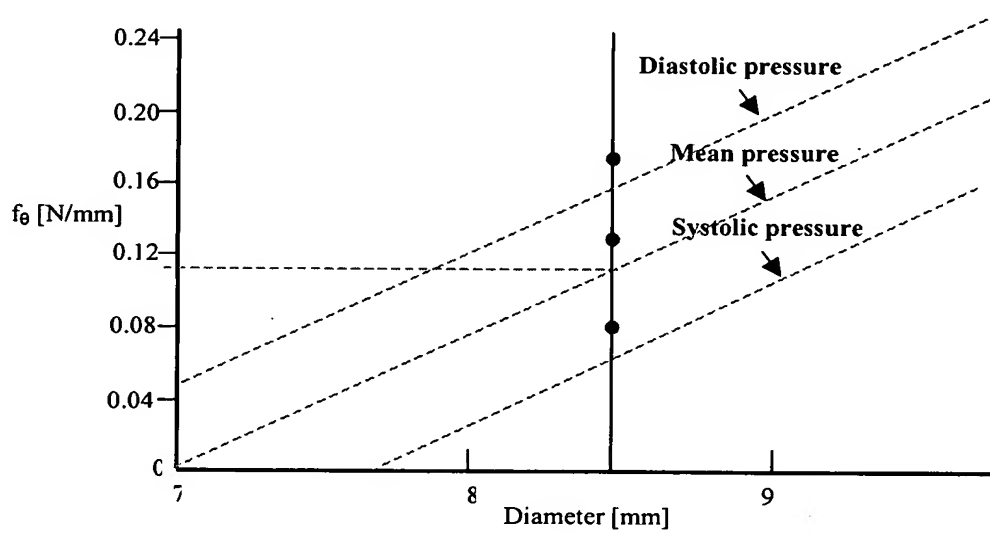


Fig.19

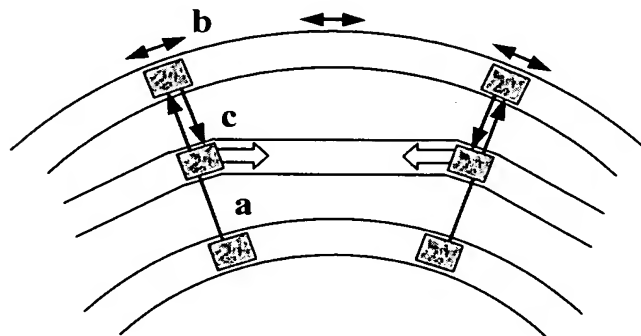


Fig. 18

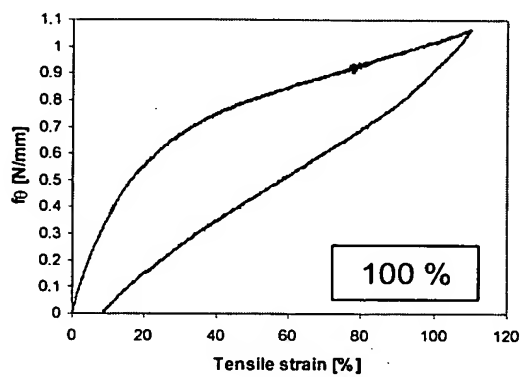


Fig. 20A

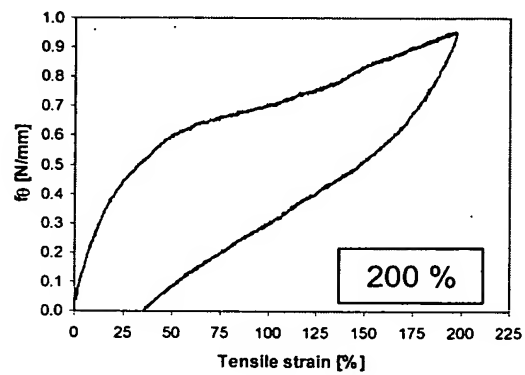


Fig. 20B

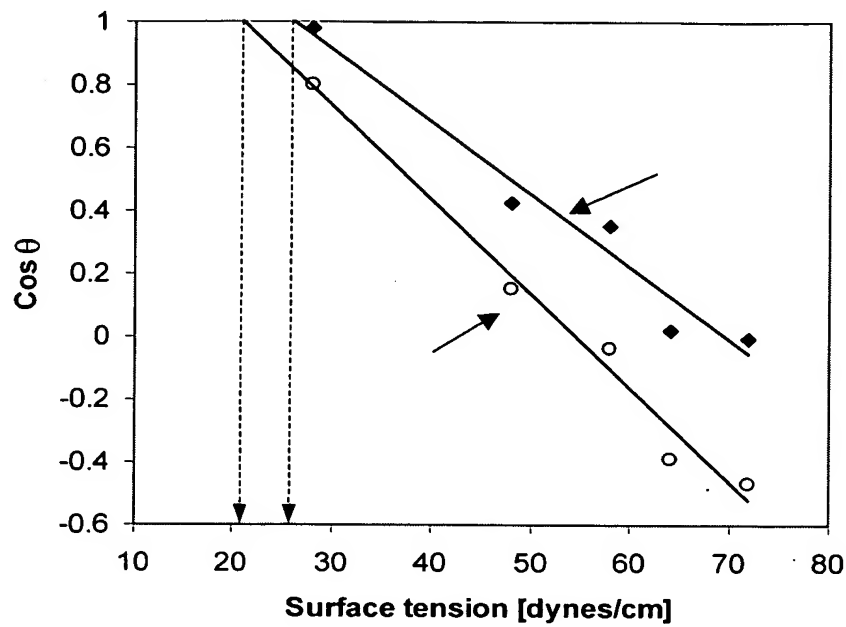


Fig. 22

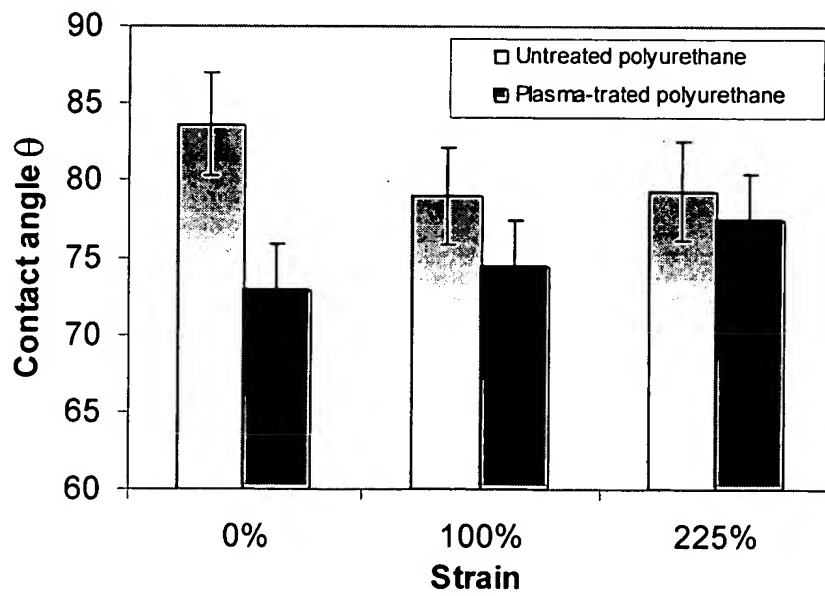
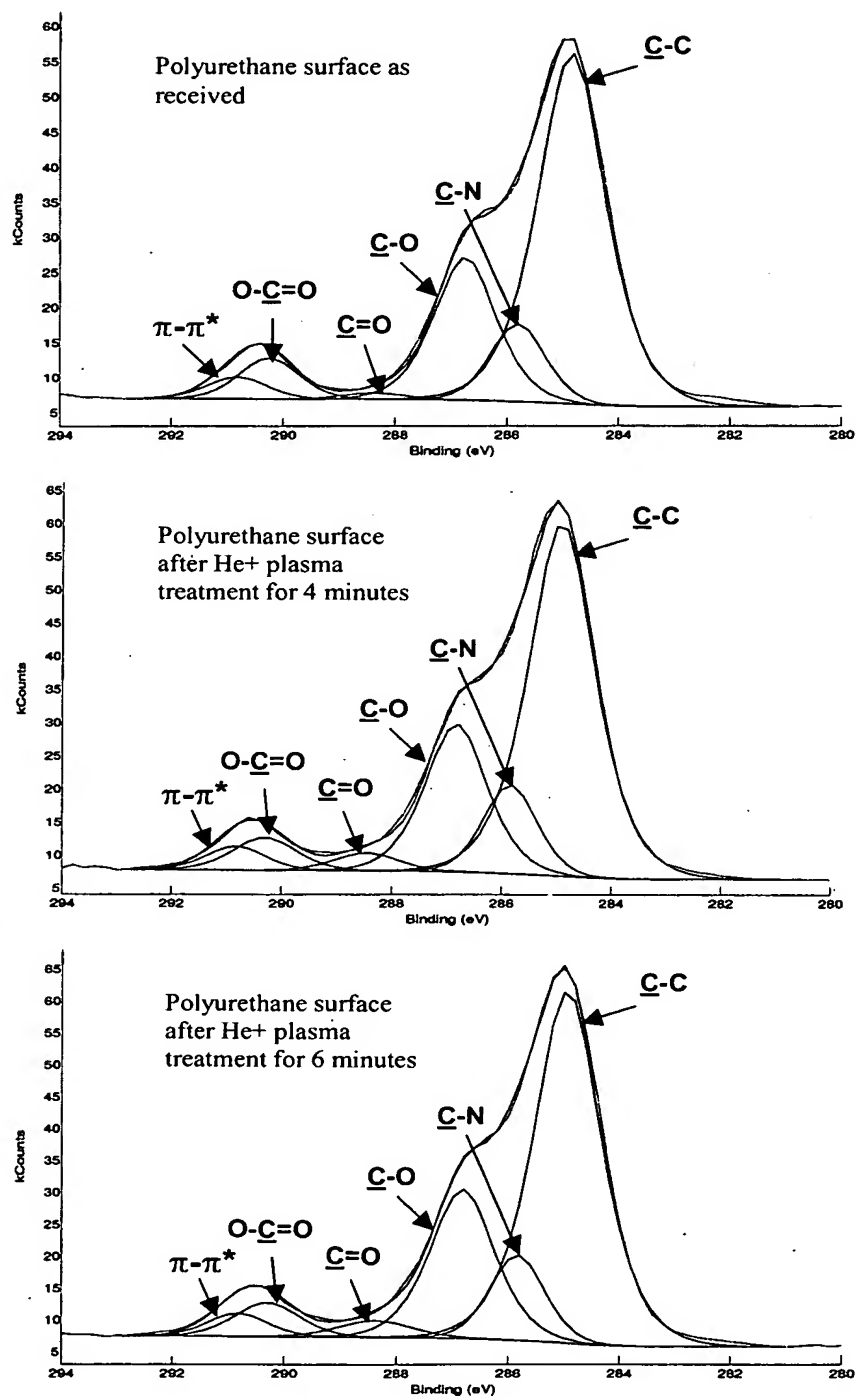


Fig. 23

Fig. 24A-C



Functional group atomic concentration [%]

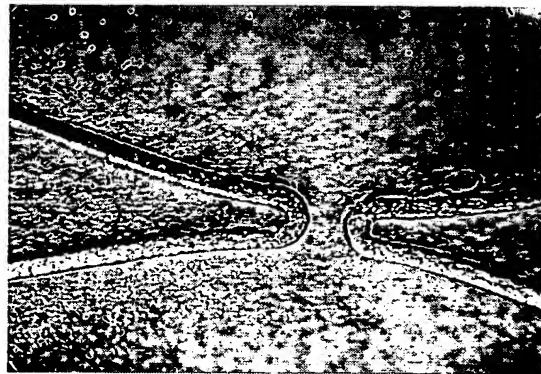
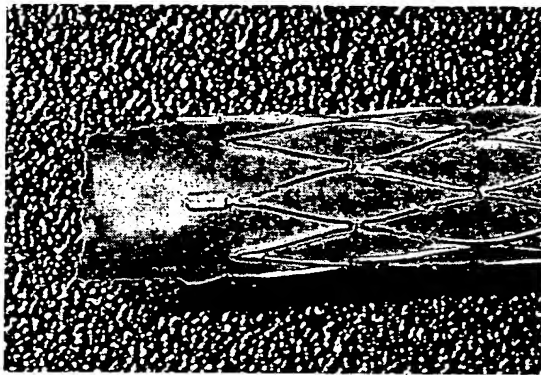
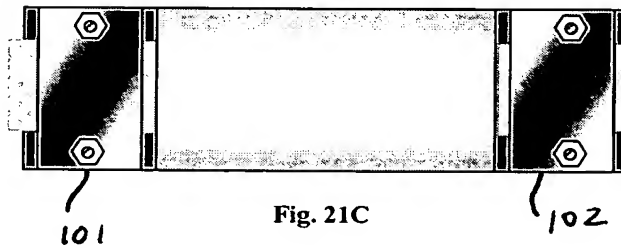
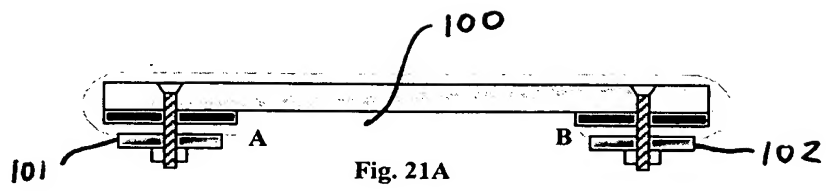


Fig. 26A

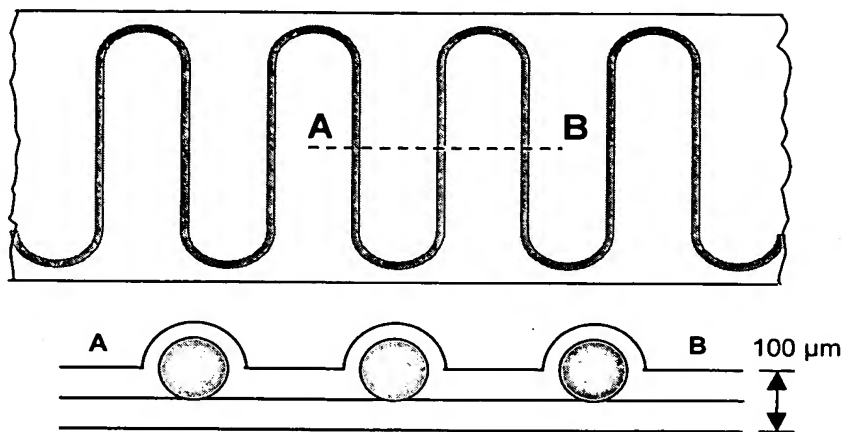


Fig. 26B

Fig. 27A

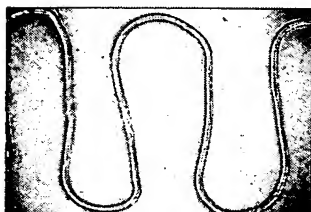


Fig. 27B

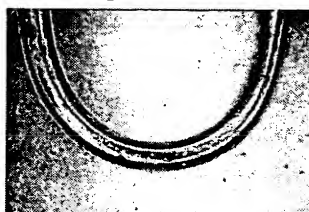


Fig. 27C



Fig. 27D



Fig. 27E

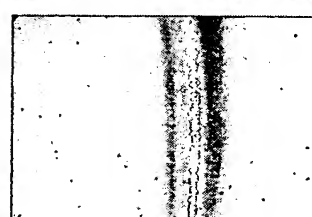


Fig. 27F

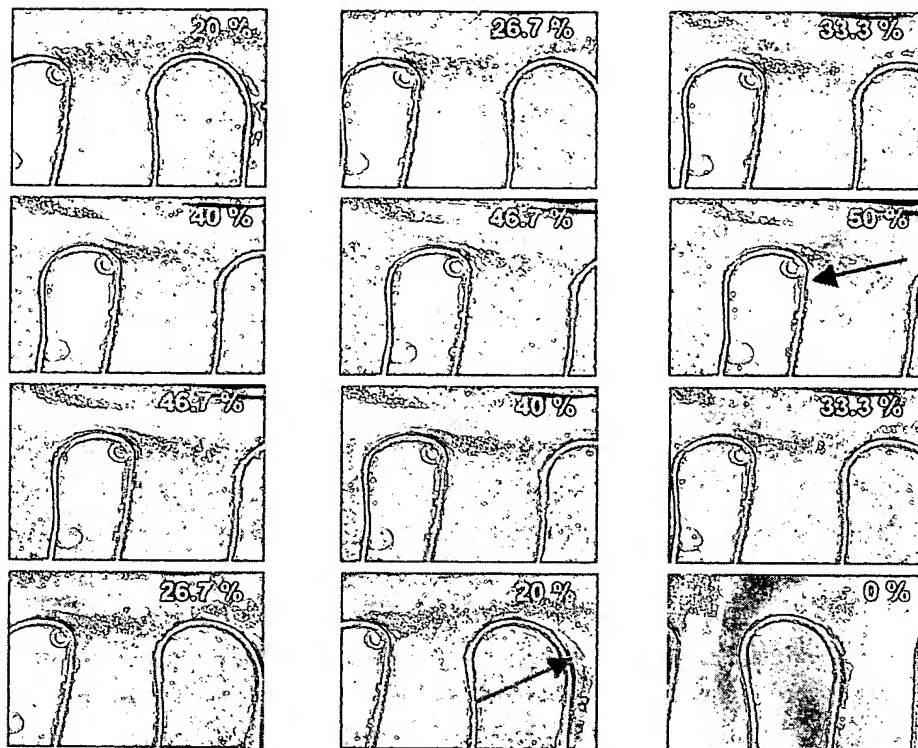


Fig. 28A-L.

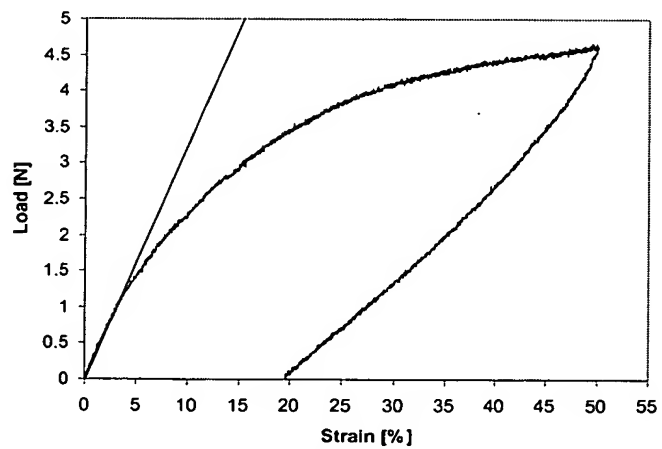


Fig. 29

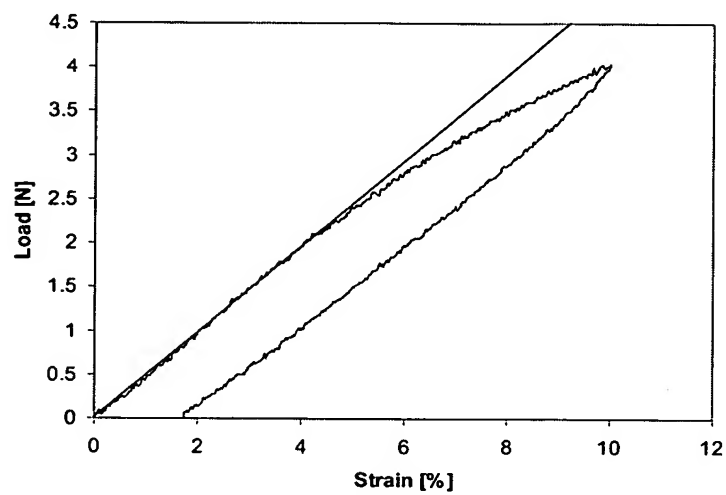


Fig. 30

Fig. 31A

Fig. 31B

Fig. 31C

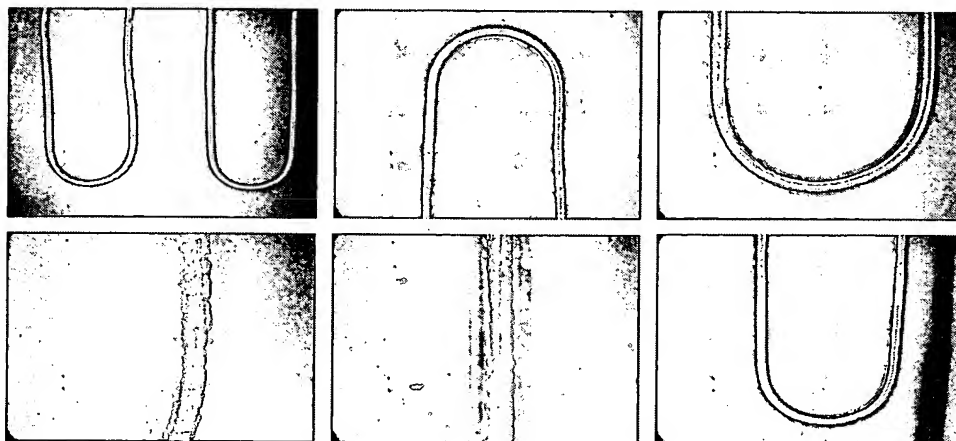


Fig. 31D

Fig. 31E

Fig. 31F

Fig. 32A

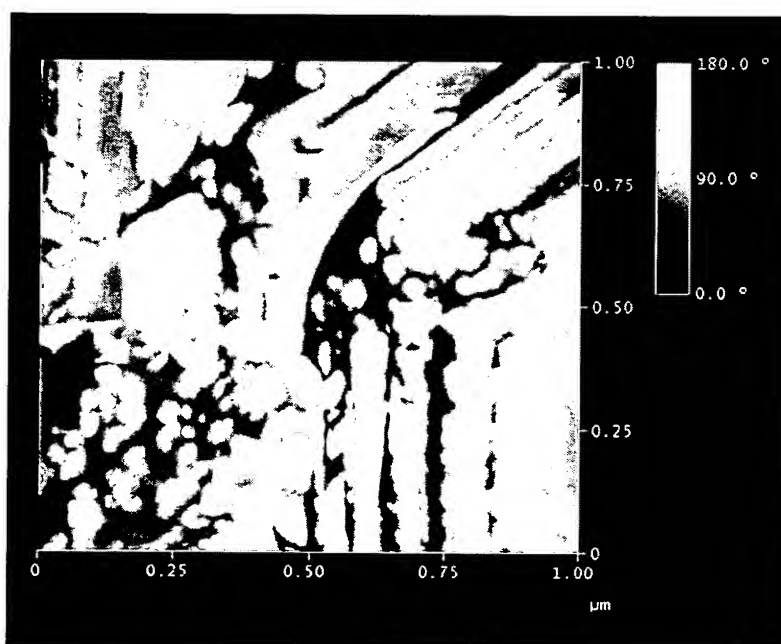
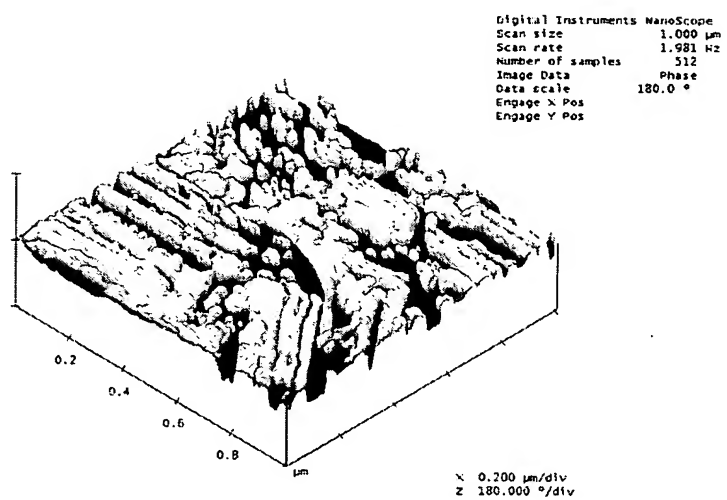
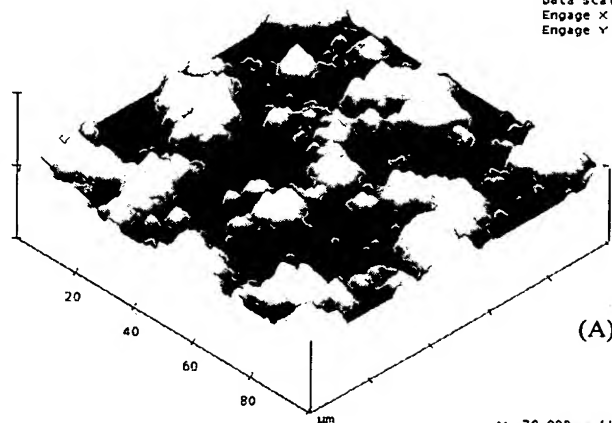


Fig. 32B

Fig. 33A

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 Scan rate 1.008 Hz
 Number of samples 512
 Image Data Height
 Data scale 10.00 μm
 Engage X Pos
 Engage Y Pos

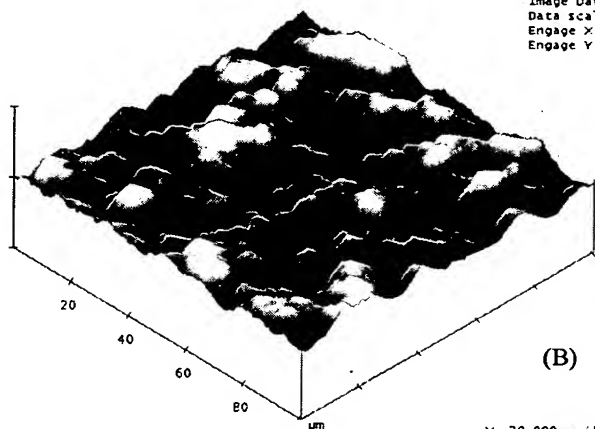


$R_a = 0.7-1.0 \mu\text{m}$
 $R_q = 0.9-1.2 \mu\text{m}$
 $R_{max} = 4.5-6.0 \mu\text{m}$
 $\Delta A_{True}/\Delta A_{app} = 11-16\%$

(A)

X 20.000 $\mu\text{m}/\text{div}$
 Z 10000.000 nm/div

Digital Instruments NanoScope
 Scan size 100.0 μm
 Scan rate 1.008 Hz
 Number of samples 512
 Image Data Height
 Data scale 10.00 μm
 Engage X Pos
 Engage Y Pos



$R_a = 0.7-1.1 \mu\text{m}$
 $R_q = 0.9-1.5 \mu\text{m}$
 $R_{max} = 5.1-6.5 \mu\text{m}$
 $\Delta A_{True}/\Delta A_{app} = 9-15\%$

(B)

X 20.000 $\mu\text{m}/\text{div}$
 Z 10000.000 nm/div

Fig. 32B

Fig. 34A

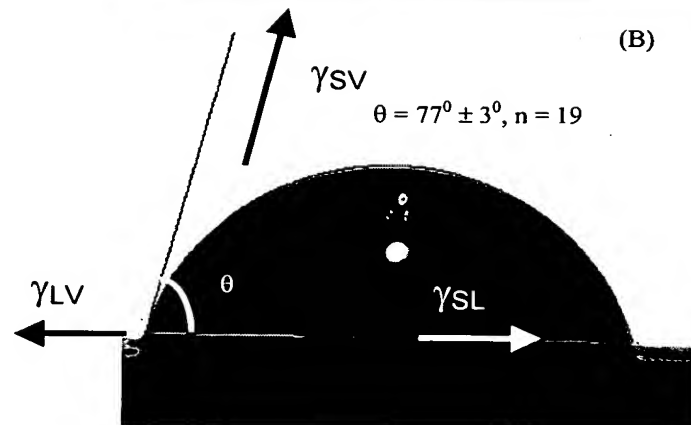
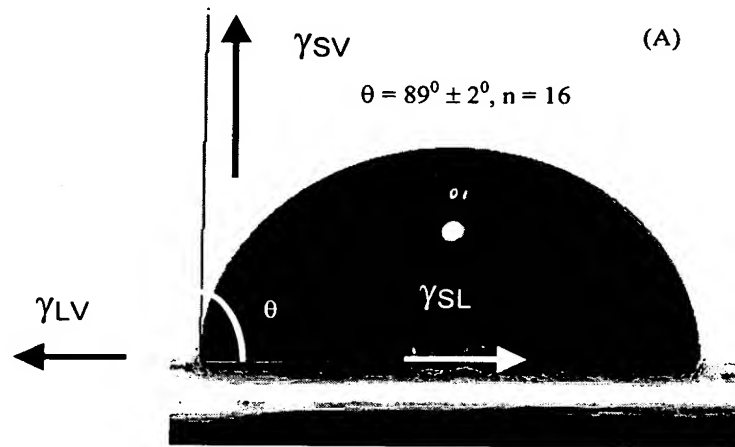


Fig. 34B

Fig. 35A

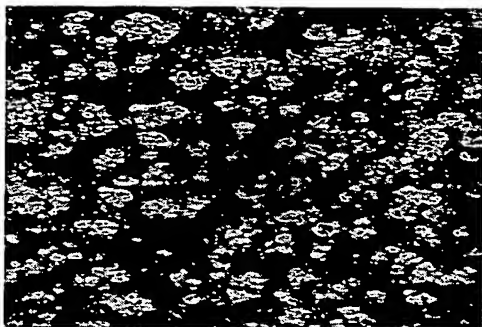


Fig. 35B



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Fig. 36A



Fig. 36B



Fig. 36C

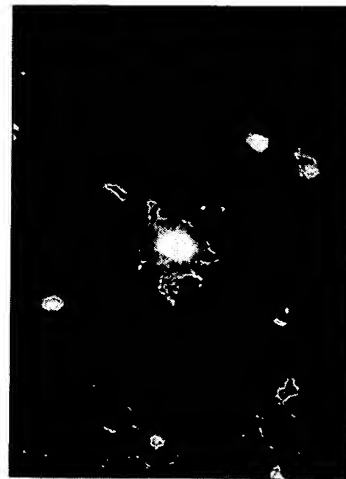


Fig. 36D



Fig. 37A

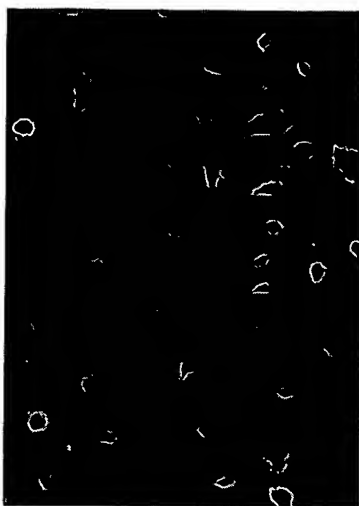


Fig. 37B



Fig. 37C



Fig. 38A

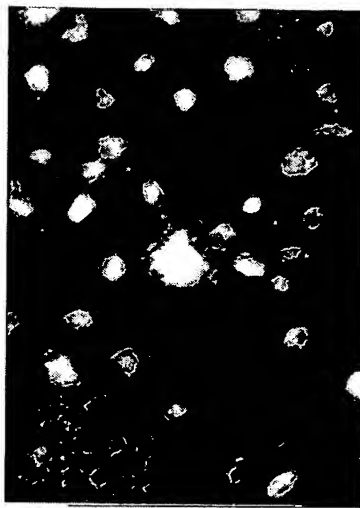


Fig. 38B

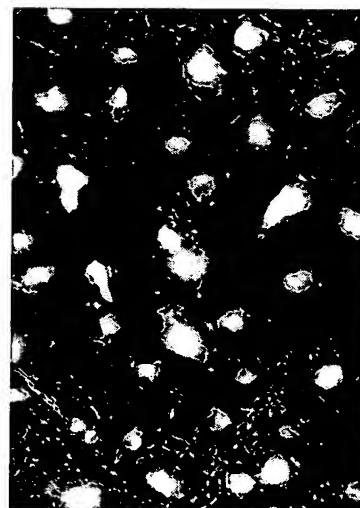
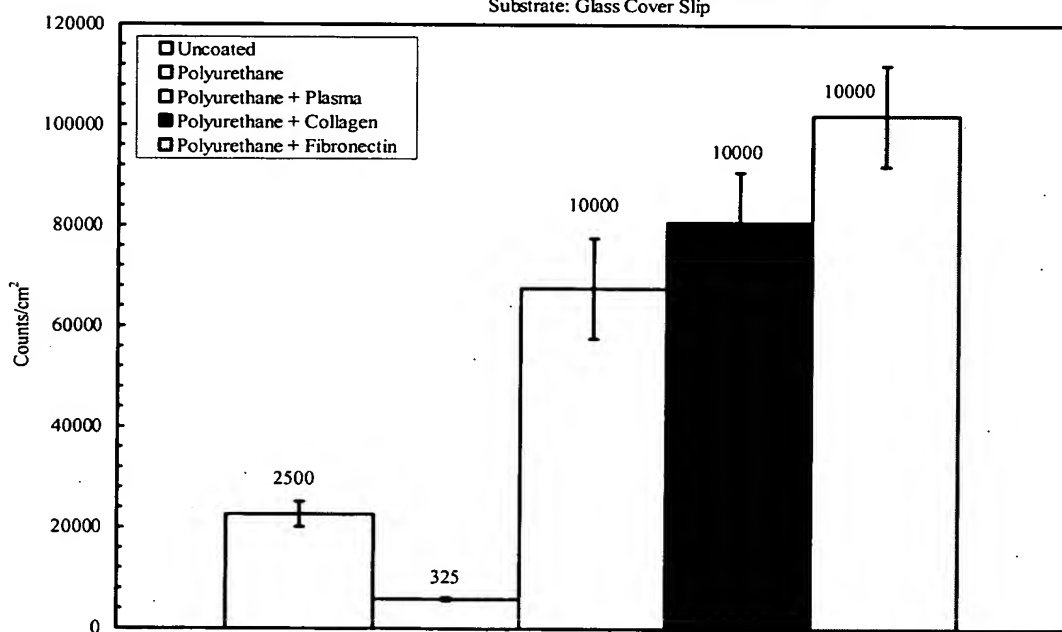
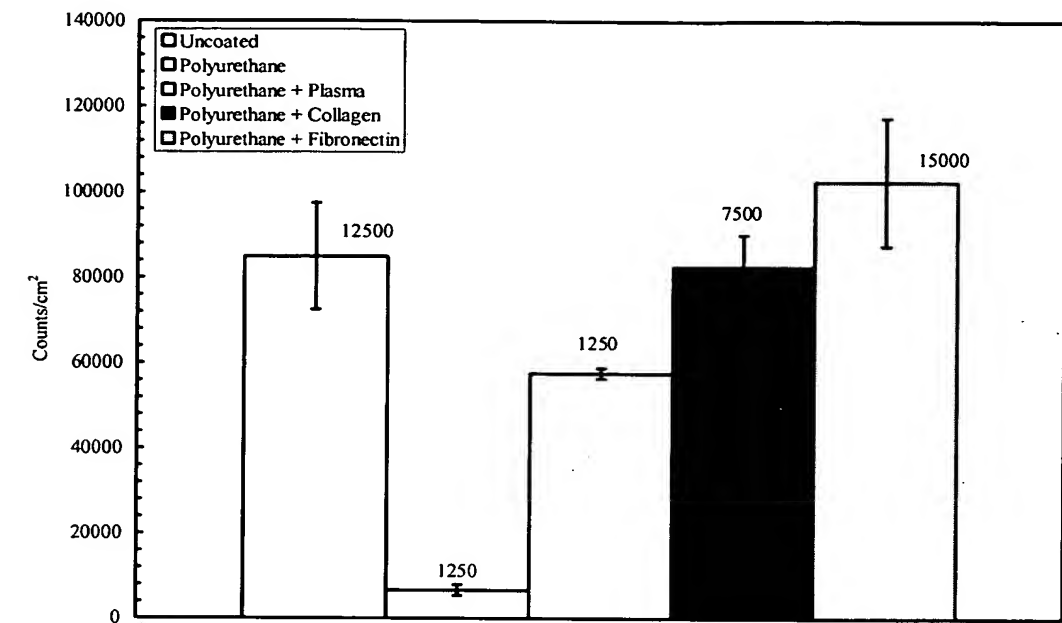


Fig. 38C



Figs. 39A-B

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